

2529

OFF-LINE ELECTRONIC

50X1

The equipment proposed under this project is in the early stage of development and is intended

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The message will be read into the storage unit manually from a 32 character keyboard. Automatic readout will be possible at another time and/or place through circuitry appropriate to key a transmitter. A message can either be read out non-destructively, and thereby retained within the storage unit for repeated transmissions, or it could be erased as read clearing the storage unit for a new message. Modular construction, physically small, and having low power requirements will be major objectives.

60 wpm

Barker code pulse train

N.A.

N.A.

N.A.

N.A.

Approximately 500 milliwatts

Completely transistorized

To be determined

N.A.

N.A.

Undetermined. Estimated volume 28 cu. in.

: Undetermined

: Off-line electronic keyer for agent use.

: Pocket-size modules.

Assembly of modules. Attachment of keyboard for read-in and connection of storage unit for read-out.

Familiarization with the identity and assembly of modules.

Field maintenance will be limited to battery replacement.

The development of the [redacted] provided considerable technical background with respect to the type circuitry required for automatic [redacted] devices. At the conclusion of the [redacted] development program a study was made to determine the advisability of undertaking the development of an [redacted]. The study indicated that the development of [redacted] was feasible within the size, weight, and complex limitations imposed [redacted] and that generally the development could be carried out using circuit components commercially available. The study also outlined the basic functions for which circuitry would have to be developed including an estimate of the time and effort required to carry the program through the prototype stage.

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During the next period development of the will be continued on a full time basis. As early as possible during the development, the technique and effectiveness of Barker code transmissions at low power will be checked operationally. For this test a mock-up system will be devised to simulate functionally the final system as closely as possible.

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No equipment available.

None

Unclass.